Eden260V™

The 16 Micron Layer 3D Printing System

Superior accuracy, high quality and the power of a large system in a small footprint

- Ultra-thin-layer Objet inkjet-based technology
- 16 micron high resolution ensures smooth surfaces and fine details
- Tray size: 260×260×200 mm
- High Speed and High Quality Printing Modes
- Wide range of materials: FullCure®720, Tango, Vero and Durus
- 72 hours of unattended continuous printing
- Optimax for automation of resin handling
- Small footprint: 870×740×1200 mm
- Office environment
- Upgradable to Objet260 Connex 3D Printer

Stratasys
FOR A 3D WORLD™

Eden260V™

The 16-Micron-layer 3D Printing System

Technical Specifications

Layer Thickness (Z-axis)
Horizontal build layers down to 16-micron

Tray Size (X×Y×Z)
260×260×200 mm

Net Build Size (X×Y×Z)
255×252×200 mm

Build Resolution
X-axis: 600 dpi
Y-axis: 600 dpi
Z-axis: 1600 dpi

Printing Modes
High Quality (HQ): 16-micron
High Speed (HS): 30-micron

Typical Accuracy
20-85um for features below 50mm
Up to 200um for full model size
(for rigid materials only, depending on geometry, build parameters and model orientation)

Material Supported
- Objet FullCure®720: transparent material
- Objet VeroClear: transparent clear material
- Objet Vero family: rigide opaque material
- Objet DurusWhite: polypropylene-like material
- Objet Tango family: rubber-like material
- Objet RGD525: high temperature resistant material

Support Type
- Objet FullCure®705 Support
- Non-toxic gel-like photopolymer support easily removed by WaterJet

Materials Cartridges
Sealed 4×3.6 kg cartridges
Automatic switching between cartridges
Easily and instantly replaced through a frontloading door

Power Requirements
110–240 VAC 50/60 Hz
1.5 KW single phase

Machine Dimensions (W×D×H)
870×735×1200 mm

Machine Weight
Net 410 kg
Gross (in crate) 500 kg

Software
Objet Studio™ features:
- Suggested build orientation and speed, Auto-placement
- Optimax-printing optimization package
- Automatic real time support structure generation
- Slice on the fly
- PolyLog™ Materials Management
- Network version

Input Format
STL and SLC File

Operational Environment
Temperature 18°C–25°C
Relative Humidity 30–70 %

Special Facility Requirements
None

Jetting Heads
SHR (Single Head Replacement), 8 units

Network Communication
LAN–TCP/IP

Compatibility
Windows XP, Windows 2000

Other Features
- Removable tray for high productivity

*All specification are subject to change without notice

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